(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 31 December 2003 (31.12.2003)

PCT

(10) International Publication Number WO 2004/001685 A1

(51) International Patent Classification7: G06T 3/40

G07D 7/20,

(21) International Application Number:

PCT/IB2003/003456

(22) International Filing Date:

24 June 2003 (24.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 02254425.8

25 June 2002 (25.06.2002)

(71) Applicant (for all designated States except US): MARS INCORPORATED [US/US]; 6885 Elm Street, McLean, VA 22101-3883 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): ANOUAR, Fatiha [MA/US]; 265 Lindenwood Drive, Exton, PA 19341 (US). BAUDAT, Gaston [CH/US]; 265 Lindenwood Drive, Exton, PA 19341 (US).
- (74) Agent: WHITLOCK, Holly, E.; R G C Jenkins & Co., 26 Caxton Street, London SW1H 0RJ (GB).

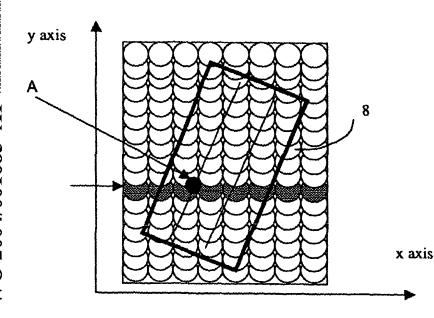
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR PROCESSING SIGNALS IN TESTING CURRENCY ITEMS



(57) Abstract: A method of testing a document comprises deriving a plurality of measurements from the document at a resolution R and processing the measurements to derive values at a different resolution.